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(54) Title: 2D FACE ANTHENTICATION SYSTEM

(57) Abstract: A novel approach to 2D face authentication that is assisted by client specific 3D models is proposed. Each 3D model is acquired during the client enrolment together with the usual client template. Any 3D face model acquisition system may be used for the purpose. The future authentication of client's identity by the face biometric system is based on 2D probe only, with the stored 3D model and the client template used for reference. In a verification scenario, the authentication process is assisted by the 3D model associated to the claimed identity.